

## ABSTRACT OF THE DISCLOSURE

5           A method of treating neurotransmitter dysfunction in a patient by  
administering amino acid precursors in conjunction with laboratory assay of the  
neurotransmitters. The method includes the step of administering an amino acid  
precursor of a catecholamine in a balanced and effective therapeutic range. The  
catecholamine precursor is preferably L-dopa, but may alternatively be tyrosine,  
10   D,L-Phenylalanine or an active isomer thereof, and N-acetyl-L-tyrosine or other  
amino acid precursor of L-dopa. An amino acid precursor of serotonin in an  
effective therapeutic range, is also administered. The serotonin precursor is  
preferably 5-HTP, but may alternatively be tryptophan. At least one cofactor is  
also preferably administered. Cofactor options include Vitamin B6, Vitamin C,  
15   Calcium, Folate, and Cysteine. A method of periodic administration and patient  
checking is also disclosed.

20   The following attorney's file path identification forms no part of the disclosure or claims of  
this application: \\server01\shared\clients\hinz\serotonin and catecholamine lab testing\us app\usappfiled.doc